

**CERTIFICATE OF ANALYSIS**

<b>Service Location</b> HERITAGE ENVIRONMENTAL SERVICES, LLC COMMERCIAL LABORATORY OPERATIONS 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	<b>Received</b> 14-MAY-13	<b>Lab ID</b> A983244
	<b>Completed</b> 06-JUN-13	<b>PO Number</b> PO NEEDED
	<b>Printed</b> 06-JUN-13	<b>Sampled</b> 08-MAY-13 13:30

<b>Report To</b> JAY PERKINS DUKE ENERGY ANALYTICAL LABORATORY 13339 HAGERS FERRY ROAD BLDG. 7405 HUNTERSVILLE, NC 28078	<b>Bill To</b> INVOICE OPERATIONS DUKE ENERGY P.O. BOX 1015 CHARLOTTE, NC 28201-1015
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<b>Sample Description</b> CLIENT ID: EFFLUENT TANK - MF MATRIX TYPE: NON-SPECIFIC WATER SUBMITTER: 659 - DUKE POWER DATA PACKAGE #: N/A LOCATION: BELEWS FGD WASTEWATER STUDY LAB ID: 2013010-622
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<b>NITROGEN, NITRATE-NITRITE EPA 353.2, REV. 2.0 (1993)</b>			<b>NELAC:N</b>
Vendor: TRIMATRIX LABORATORIES	Analysis Date: 03-JUN-13 20:13	Instrument: AUTO-ANALYZER	Test: G113.3.0
<b>Parameter</b> NITROGEN, NITRATE-NITRITE	<b>Result</b> 28	<b>Det. Limit</b> 1.0	<b>Units</b> mg/L
1:100 Dilution.			

<b>ICP ACID DIGESTION OF AQUEOUS SAMPLES, TOTAL RECOVERABLE EPA 200.2 REV 2.8</b>			
Analyst: K. KAMARA	Analysis Date: 23-MAY-13 09:00	Instrument: PREP	Test: P129.4.0
<b>Parameter</b> INITIAL WEIGHT OR VOLUME	<b>Result</b> 50	<b>Det. Limit</b>	<b>Units</b> mL
FINAL VOLUME	50		mL

<b>ARSENIC ICP/MS EPA 200.8 REV. 5.4</b>			<b>NELAC:Y</b>
Analyst: V. PATEL	Analysis Date: 26-MAY-13 07:05	Instrument: ICP/MS	Test: V403.3.0
Prep: ICP ACID DIGESTION OF AQUEOUS SAMPLES, TOTAL RECOVERABLE EPA 200.2 REV 2.8 P129.4.0			
<b>Parameter</b> ARSENIC	<b>Result</b> 46	<b>Det. Limit</b> 2.0	<b>Units</b> ug/L
1:2 Dilution.			

<b>SELENIUM ICP/MS EPA 200.8 REV. 5.4</b>			<b>NELAC:Y</b>
Analyst: V. PATEL	Analysis Date: 26-MAY-13 07:05	Instrument: ICP/MS	Test: V428.3.0
Prep: ICP ACID DIGESTION OF AQUEOUS SAMPLES, TOTAL RECOVERABLE EPA 200.2 REV 2.8 P129.4.0			
<b>Parameter</b> SELENIUM	<b>Result</b> 1300	<b>Det. Limit</b> 2.0	<b>Units</b> ug/L

1:2 Dilution.

**LOW LEVEL MERCURY PREP EPA 1631, REV. E**

NELAC:Y

Analyst: W. WATNESS

Analysis Date: 14-MAY-13 08:00

Instrument: PREP

Test: P131.3.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	50		mL
FINAL VOLUME	53		mL

**MERCURY IN WATER BY OXIDATION, PURGE & TRAP, AND CVAFS EPA 1631, REV. E**

NELAC:Y

Analyst: W. WATNESS

Analysis Date: 21-MAY-13 08:37

Instrument: CVAA

Test: M420.3.0

Prep: LOW LEVEL MERCURY PREP EPA 1631, REV. E P131.3.0

Parameter	Result	Det. Limit	Units
MERCURY	93.3	5.3	ng/L
METHOD BLANK	< 0.5		ng/L

1:10 Dilution.

**Sample Comments**

&lt; Less Than

Sample was received on ice at temperature 2.2 C.  
 Sample chain of custody number DUKE.

This Certificate shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested or to the sample as received by the lab. Heritage Environmental Services, LLC certifies that the test results indicated as NELAP (National Environmental Laboratory Accreditation Program) accredited (Yes for NELAP) meet all requirements of NELAP and Kansas (KDHE) unless otherwise explained or justified as to the the exact nature of the deviations.

KS ELAP / NELAP Accreditation # E-10177 Indiana SDWA C-49-01

As indicated, some testing was performed at the following locations:

TRIMATRIX LABORATORIES  
 5560 CORPORATE EXCHANGE COURT , GRAND RAPIDS, MI 49512



Approved by: KAREN FULLMER 06-JUN-13